

H-F2	613370	$n_d = 1.61293$	$\nu_d = 37.00$	$n_F - n_c = 0.016564$
		$n_e = 1.61685$	$\nu_e = 36.73$	$n_{F'} - n_{c'} = 0.016792$

Refractive Indices		
	$\lambda(\text{nm})$	
n_T	706.5	1.60536
n_c	656.3	1.60806
$n_{c'}$	643.8	1.60883
$n_{\text{He-Ne}}$	632.8	1.60954
n_D	589.3	1.61279
n_d	587.6	1.61293
n_e	546.1	1.61685
n_F	486.1	1.62463
$n_{F'}$	480.0	1.62562
n_g	435.8	1.63432
n_h	404.7	1.64283
n_i	365.0	1.65859

Chemical Properties (grade)	
RC(S)	
RA(S)	
D_W	2
D_A	1

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_{5\text{mm}}$	$\tau_{10\text{mm}}$
2400		
2200		
2000		
1800		
1600		
1400		
1200		
1060		
1000		
950		
900		
850	0.998	0.996
800	0.998	0.996
700	0.998	0.996
650	0.998	0.996
600	0.998	0.996
550	0.998	0.996
500	0.998	0.996
480	0.995	0.990
460	0.992	0.984
440	0.989	0.978
420	0.980	0.960
400	0.947	0.897
390	0.907	0.823
380	0.821	0.674
370	0.638	0.407
360	0.304	0.092
350		
340		
330		
320		
310		
300		
290		
280		

Thermal Properties	
$T_g(^{\circ}\text{C})$	567
$T_s(^{\circ}\text{C})$	629
$T_{10}^{14.5}(^{\circ}\text{C})$	519
$T_{10}^{13}(^{\circ}\text{C})$	561
$\alpha_{20/120^{\circ}\text{C}}(10^{-7}/\text{K})$	86
$\alpha_{100/300^{\circ}\text{C}}(10^{-7}/\text{K})$	99
$\lambda(\text{W/m}\cdot\text{K})$	

Constants of Dispersion Formula	
A_0	2.53606480E+00
A_1	-1.05922800E-02
A_2	2.15180110E-02
A_3	8.76558880E-04
A_4	-4.39362580E-05
A_5	7.54383080E-06

Mechanical Properties	
$H_K(10^7\text{Pa})$	535
F_A	186
$E(10^7\text{Pa})$	7749
$G(10^7\text{Pa})$	3189
μ	0.215
$B(10^{-12}/\text{Pa})$	

Relative Partial Dispersion			
$P_{d,c}$	0.2938	$P'_{d,c'}$	0.2443
$P_{e,d}$	0.2368	$P'_{e,d}$	0.2336
$P_{g,F}$	0.5850	$P'_{g,F'}$	0.5181

Anomalous dispersions	
$\Delta P_{F,e}$	0.0000
$\Delta P_{g,F}$	0.0023

Range of Temperature (°C)	Temperature Coefficients of Refractive Index						
	dn/dt relative ($10^{-6} / ^{\circ}\text{C}$)						
	t	C'	He-Ne	D	e	F'	g
-40~-20							
-20~0							
0~20							
20~40							
40~60							
60~80							

Density	
$\rho(\text{g}/\text{cm}^3)$	2.66

Coloration Code		
λ_{80}/λ_5	39/36	λ_{70}/λ_5

Remarks